



## Volkswagen/Audi 2014+ 1.8T/2.0T Billet Oil Filter Housing Installation Instructions



**Skill Level 2**  
**- Easy -**  
**Basic Skills**  
**Required**



Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

## INTRODUCTION

Forget about your fragile, dull plastic oil filter housing. The ECS Tuning billet aluminum oil filter housing is an attractive, durable upgrade, machined from a solid block of T6 6061 aluminum to exact OEM specifications down to the original factory size hex nut. The ECS filter housing accepts a factory engine oil filter to maintain simplicity and OEM fitment. You can forget about cracked housings or stripped heads. Use it to replace a damaged OE housing or upgrade to beautiful conversation piece.



[ES#2785481](#) - Silver Anodized



[ES#2785482](#) - Polished



[ES#2785483](#) - Black Anodized

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## INSTALLATION NOTES

- **RH** refers to the *passenger side* of the vehicle.
- **LH** refers to the *driver side* of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

## GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and utilize the factory specified lift points.
- Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- **ALWAYS** support the vehicle with jack stands.
- **ALWAYS** read and follow all safety information and warnings for the equipment you are using.



**NEVER** get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.



## REMOVING THE FACTORY OIL FILTER HOUSING

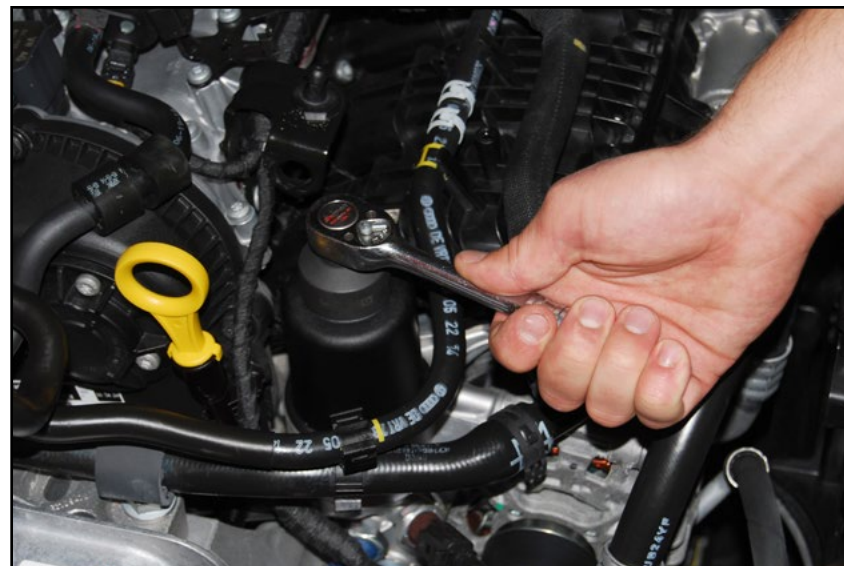
### Step 1:

Pull up on the engine cover on both sides to release the rubber grommets that hold it in place. Pull upwards on the left side of the cover and remove it from the vehicle.



### Step 2: 32mm Socket & Ratchet

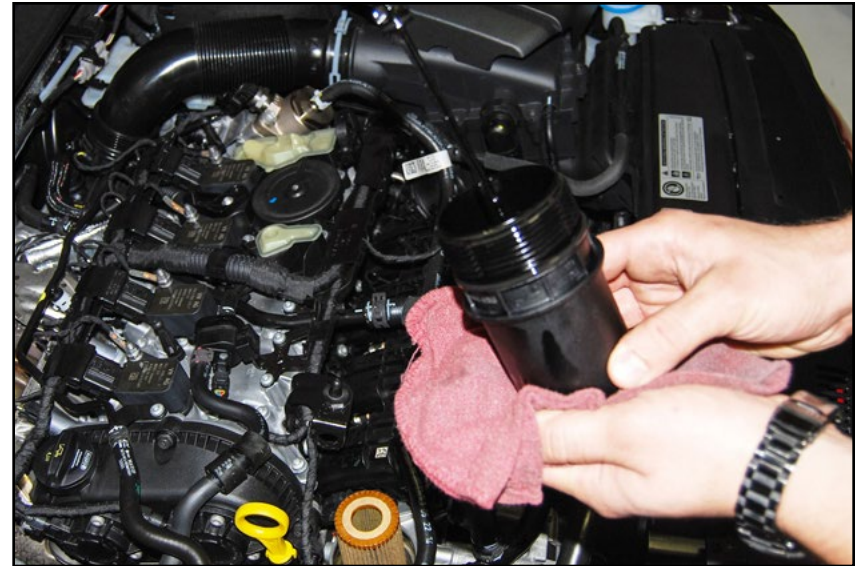
Loosen and remove the factory oil filter housing.



## REMOVING THE FACTORY OIL FILTER HOUSING

### Step 3:

Clean any oil from the housing and the area around the filter that may have spilled out during removal.



### Step 4:

Remove the oil filter from the engine.



## REMOVING THE FACTORY OIL FILTER HOUSING

### Step 5:

The original oil filter housing utilizes a filter support with an integrated spring-loaded bypass valve, which needs to be transferred to the new billet oil filter housing. To remove this assembly, pull it firmly to one side as shown in the picture, and move it back and forth until it releases from the securing tabs at the bottom of the housing.



**CAUTION:** Do not pull on the long guide rod which extends from the filter support.



### Step 6:

Once the assembly has been released, pull it out of the filter housing.



If the bypass valve becomes separated from the filter support, click [HERE](#) for re-assembly instructions.





## INSTALLING THE NEW BILLET OIL FILTER HOUSING

### Step 1:

Lubricate the new housing o-ring with clean motor oil (replacement seals are included with new oil filters).



### Step 2:

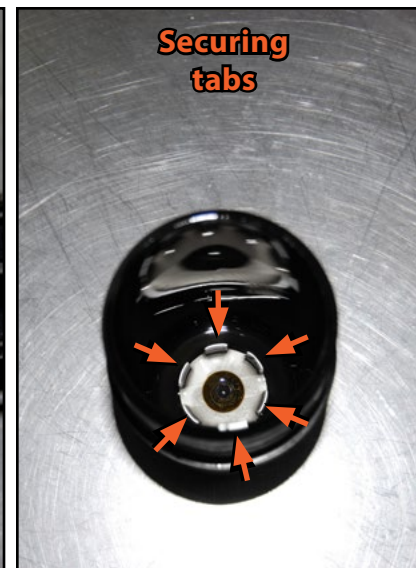
Install the o-ring into the groove in the new billet housing, as shown. Be sure the o-ring is completely seated in the groove all the way around the housing.



## INSTALLING THE NEW BILLET OIL FILTER HOUSING

### Step 3:

Align the circular groove at the base of the filter support with the securing tabs at the base of the filter housing.



### Step 4:

Press the filter support firmly into the housing until it is fully seated. This is a press fit and you will feel it "bottom out", rather than snap into place.

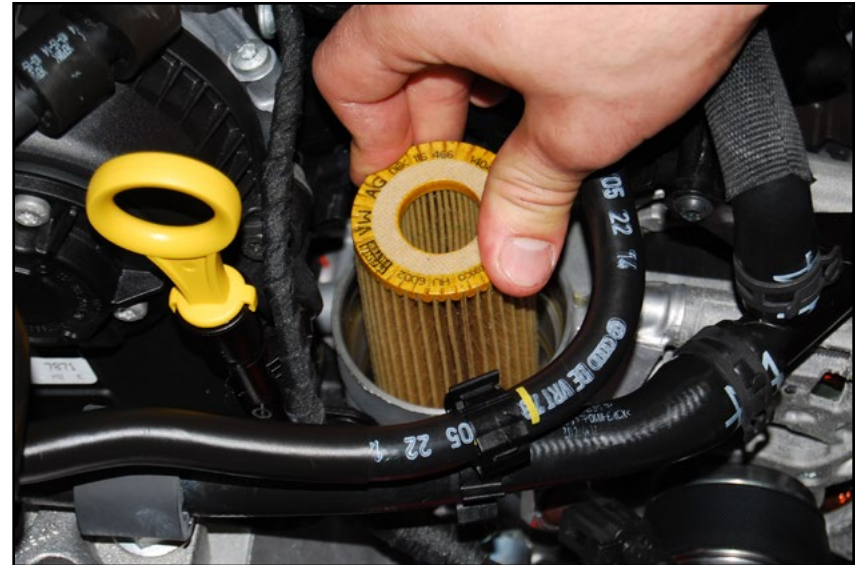




## INSTALLING THE NEW BILLET OIL FILTER HOUSING

### Step 5:

Install the new oil filter into the engine.



### Step 6:

Install the new ECS billet aluminum housing into location, sliding the guide rod and filter support in through the filter.



## INSTALLING THE NEW BILLET OIL FILTER HOUSING

### Step 7:

Thread the filter housing all the way in until it is fully seated, use caution to prevent cross threading the housing.



### Step 8: 32mm Socket & Torque Wrench

Torque the oil filter housing to 24 Nm (18 ft-lbs).



## INSTALLING THE NEW BILLET OIL FILTER HOUSING

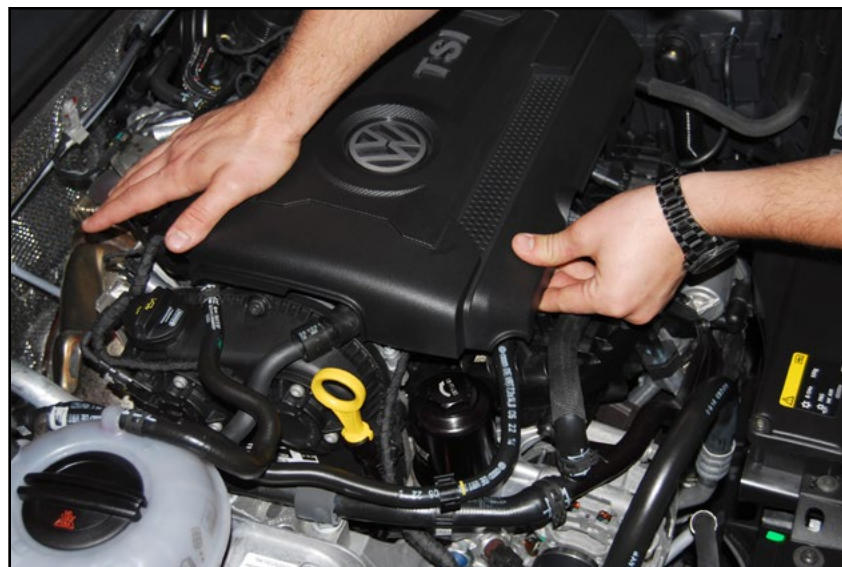
### Step 9:

Line the engine cover up with its mounting locations and press gently on one side.



### Step 10:

Press the engine cover down on the other side, fully securing the engine cover in place.



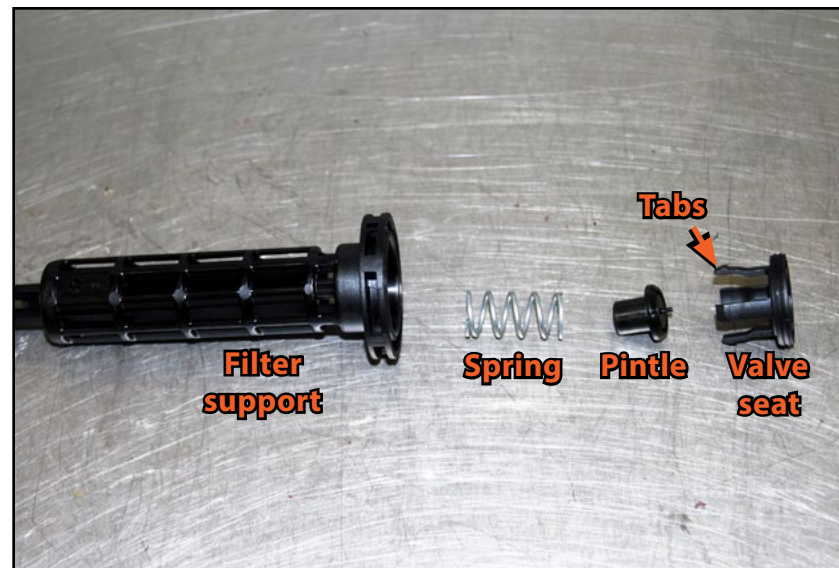
Once the installation is complete, make sure to check your engine oil level - some oil may be lost during this installation.



## BYPASS VALVE REASSEMBLY

### Step 1:

The bypass valve is attached to the filter support with four plastic tabs, and it may separate from the assembly during the removal process. If this happens, it can easily be re-assembled and snapped back into place. Begin by arranging all of the parts in order as shown in the picture.



### Step 2:

Place the pintle onto the spring.



## BYPASS VALVE REASSEMBLY

### Step 3:

Insert the spring and pintle into the valve seat as shown.



### Step 4:

Insert the valve seat, pintle and spring into the filter support, making sure the spring is aligned with the spring seat in the center. Then, while aligning the tabs with the open slots, push on the valve seat until it snaps into place.



Please click [HERE](#) to jump back to the installation procedure on Page 6.

## SCHWABEN - BUILD THE ULTIMATE TOOL COLLECTION

At ECS Tuning, we carry a line of high quality Schwaben Tools and Equipment to help you build your ultimate tool collection. Never before has affordability and quality been so closely related. Our entire Schwaben line is subjected to strict in house testing for strength and durability. See what we have to offer and equip your garage without breaking the bank.



**Your ECS Tuning Billet Aluminum Oil Filter Housing installation is complete!**



**These instructions are provided as a courtesy by ECS Tuning**

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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